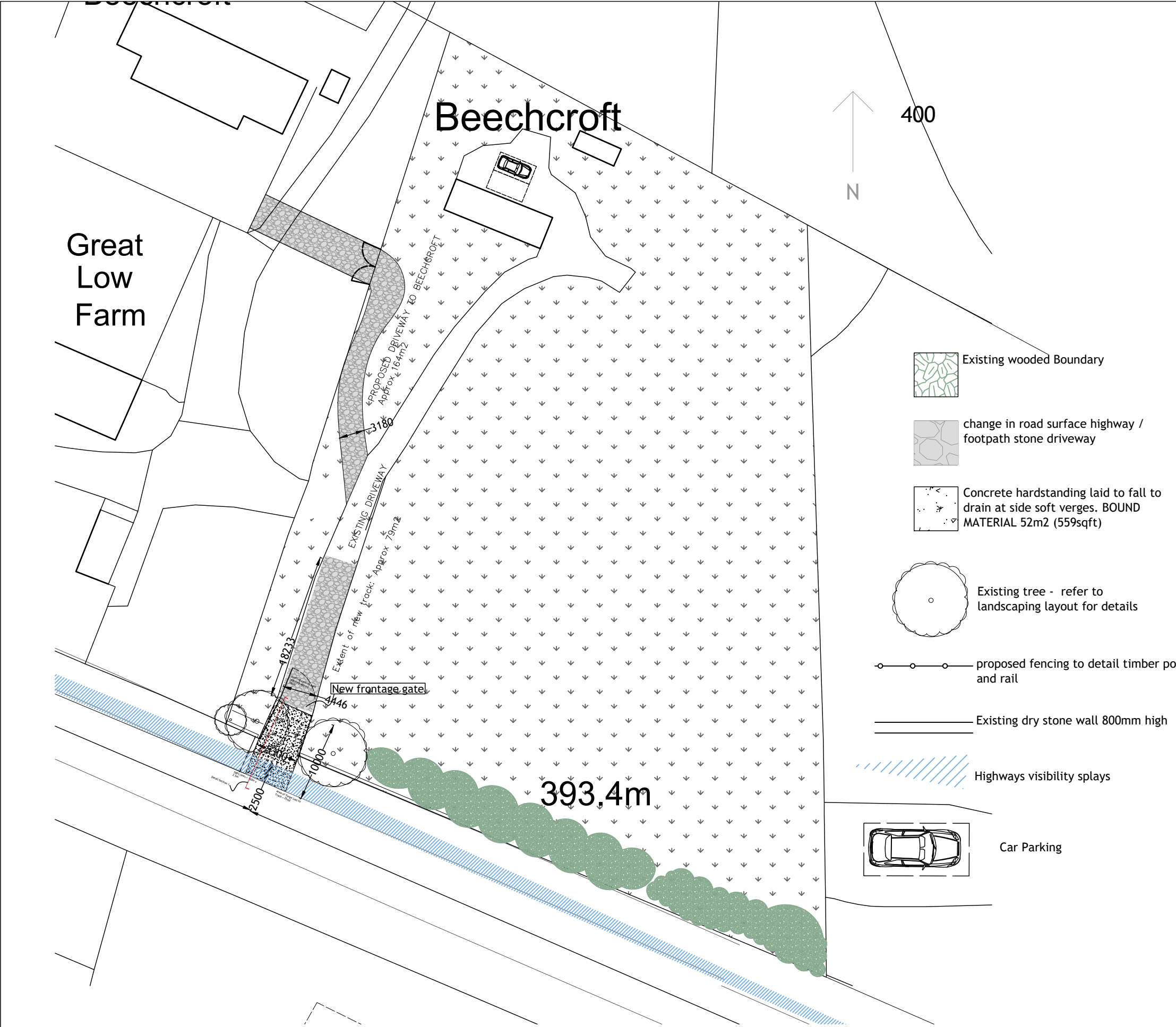




- 1.0 Materials NEW CRUSHED STONE TRACKWAY
- 1.1 Crushed Stone
- The crushed stone for the base and sub-base shall be a well-graded crushed rock or aggregate complying with the requirements of a Type 1 sub-base as defined in the Specification for Highway Works (SHW), Volume 1, Series 800. This is commonly referred to as "MOT Type 1" or "40mm scalplings". It shall be free from clay, organic matter, and other deleterious materials. A Certificate of Conformity for the material shall be provided by the supplier upon request.
- 1.2 Geotextile Membrane
- The geotextile membrane shall be a non-woven, mechanically bonded polypropylene or polyester fabric with a minimum mass per unit area of 100g/m².
- The membrane shall be designed to provide separation, filtration, and reinforcement properties. It shall be resistant to chemical and biological degradation and shall have sufficient strength to resist damage during installation.
- 1.3 Sub-grade
- The sub-grade shall be the existing ground surface following excavation and preparation. All topsoil and unsuitable material shall be removed as detailed in Section 3.0.
- 2.0 Execution
- 2.1 Site Preparation
- 2.1.1 The Contractor shall remove all vegetation, topsoil, roots, and other organic matter from the proposed track alignment to a depth of approximately 300mm or until a firm and stable sub-grade is achieved.
- 2.1.2 The prepared sub-grade shall be graded to the specified line and level, ensuring a positive crossfall of a minimum of 1:40 (2.5%) for effective water runoff.
- 2.1.3 Any soft spots or unsuitable material identified during excavation shall be removed and replaced with a suitable granular fill, which shall be compacted to achieve a firm and stable base.
- 2.2 Geotextile Installation
- 2.2.1 The geotextile membrane shall be laid directly onto the prepared and compacted sub-grade, ensuring it is laid flat and free from wrinkles.
- 2.2.2 Adjacent rolls of membrane shall have a minimum overlap of 300mm. The overlap shall be increased on soft or weak ground.
- 2.2.3 The membrane shall be secured in place using steel pins or a small amount of aggregate to prevent movement during the placement of the crushed stone.
- 2.3 Crushed Stone Placement and Compaction
- 2.3.1 The crushed stone (MOT Type 1) shall be placed in layers not exceeding 150mm compacted thickness.
- 2.3.2 Each layer shall be spread and levelled to a uniform thickness using a grader or other approved plant.
- 2.3.3 Each layer shall be thoroughly compacted using a smooth-drum vibrating roller. Compaction shall continue until there is no further movement or deformation of the surface. A minimum of three passes with the roller is recommended for each layer.
- 2.3.4 The final compacted thickness of the track shall be a minimum of 150mm, or as specified on the drawings.
- 2.3.5 The final wearing course shall consist of a layer of finer crushed stone or recycled aggregate (e.g., 20mm down) spread to a depth of 50mm and compacted to a finished surface.
- 2.4 Finishing
- 2.4.1 The final surface shall be graded to a smooth, uniform finish, maintaining the specified crossfall for drainage.
- 2.4.2 The edges of the track shall be trimmed neatly to the specified width.
- 3.0 Quality Control
- 4.1 The Contractor shall ensure that all materials and workmanship comply with this specification.
- 4.2 A qualified person shall visually inspect the sub-grade, geotextile installation, and each layer of crushed stone before the next layer is placed.
- 4.3 The final compacted thickness of the track shall be verified at regular intervals.

NOTES:

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Beechcroft

Pr	Preliminary	C	Contract
F	Feasibility	Cn	Construction
P	Planning	As	As Built
T	Tender	Other	

Beechcroft Buxton

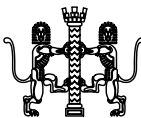
Site as Proposed and Landscape

0 5m 10m Scale 1:500

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